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TRADE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE #6

Patent application		TENS ID.S.
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for	inventor(s)	RECEIVED
101	title of invention	RECEIVEL DEC 1 3 2002
	OR	TC 1700
in re application of: Ronald E. S	Sweatman et al.	
Serial No.: 0 10 (082,459 Filed: February 25, 2002 For. Methods of Discovering Problems During Drilling Assistant Commissioner for Pate Washington, D.C. 20231	and Correcting Su	1712 nillip Tucker ubterranean Formation Integrity
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NOTE: "An information disclosure staten of the filing date of a national ap	nent shall be considered by t plication; (2) within three mo international application; or (he Office if filed: (1) within three months withs of the date of entry of the national 3) before the mailing date of a first Office
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Sheila Gibbs

Patent and Trademark Office.

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(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [6-3]—page 1 of 2)

Service with sufficient postage as first class

mail in an envelope addressed to the Assistant Commissioner for Patents,

Washington, D.C. 20231.

Date: 12/09/02

NOTE: The "filing date of a national application" under 37 CFR 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 CFR 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least on claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 CFR 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. 37 CFR 1.97(b)(2).

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last, 37 CFR 1.97(b).

- NOTE: "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing.
- NOTE: "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 CFR 1.8, or Express Mail certificate under 37 CFR 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).
- NOTE: "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).
- NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 CFR 1.142) or just a requirement for additional fees to have a claim considered (37 CFR 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 CFR 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner."

Notice of July 6, 1992 (1141 O.G. 63).

SIGNATURE OF ATTORNE

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Tel. No.: (580) 251-3012

Duncan, OK 73536-0440

(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action [8-3]—page 2 of 2)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Ronald E. Sweatman et al.))
) Art Unit: 1712
Serial No.:	10/082,459))
Filed:	February 25, 2002	:) Examiner: Phillip Tucker
For:	METHODS OF DISCOVERING))

AND CORRECTING SUBTERRAN-) EAN FORMATION INTEGRITY PROBLEMS DURING DRILLING

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INFORMATION DISCLOSURE STATEMENT

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ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

SIR:

The following documents are to known Applicants Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

- U.S. Patent Number 3,960,082 issued June 1, 1976 to Fedor I. Sloevsky et al.
- U.S. Patent Number 4,434,848 issued March 6, 1984 to Michael B. Smith.
- U.S. Patent Number 4,714,115 issued December 22, 1987 to Duane C. Uhri.
- U.S. Patent Number 4,718,490 issued January 12, 1988 to Duane C. Uhri.
- U.S. Patent Number 5,253,709 issued October 19, 1993 to Larry N. Kendrick et al.
- U.S. Patent Number 5,275,041 issued January 4, 1994 to Don K. Poulsen.

- Docket No: HES 2000-IP-001848U1 Page 2
- U.S. Patent Number 5,335,726 issued August 9, 1994 to Klein A. Ridrigues.
- U.S. Patent Number 5,358,051 issued October 25, 1994 to Klein A. Rodrigues.
- U.S. Patent Number 5,472,049 issued December 5, 1995 to Brent F. Chafee et al.
- U.S. Patent Number 5,482,116 issued January 9, 1996 to Al Wadood El-Rabba et al.
- U.S. Patent Number 5,497,831 issued March 12, 1996 to Bryant W. Hainey et al.
- U.S. Patent Number 5,836,392 issued November 17, 1998 to Phillip L. Urlwin-Smith.
- U.S. Patent Number 5,868,030 issued February 9, 1999 to John L. Brumley et al.
- U.S. Patent Number 5,873,413 issued February 23, 1999 to Jiten Chatterji et al.
- U.S. Patent Number 5,881,826 issued March 16, 1999 to Tommy F. Brookey.
- U.S. Patent Number 5,890,536 issued April 6, 1999 to Dale E. Nierode et al.
- U.S. Patent Number 5,934,377 issued August 10, 1999 to Ronald E. Savage.
- U.S. Patent Number 5,945,387 issued August 31, 1999 to Jiten Chatterji et al.

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- U.S. Patent Number 6,123,159 issued September 26, 2000 to Tommy F. Brookey et al.
- U.S. Patent Number 6,148,917 issued November 21, 2000 to Tommy F. Brookey et al.
- U.S. Patent Number 6,156,708 issued December 5, 2000 to Tommy F. Brookey et al.
- U.S. Patent Number 6,167,967 B1 issued January 2, 2001 to Ronald E. Sweatman.
- U.S. Patent Number 6,186,230 B1 issued February 13, 2001 to Dale E. Nierode.
- U.S. Patent Number 6,192,986 B1 issued February 27, 2001 to Phillip L. Urlwin-Smith.
- U.S. Patent Number 6,196,317 B1 issued March 6, 2001 to Mary Anne Hardy.
- U.S. Patent Number 6,237,688 B1 issued May 29, 2001 to John D. Burleson et al.
- U.S. Patent Number 6,367,549 B1 issued April 9, 2002 to Jiten Chatterji et al.
- U.S. Patent Number 6,390,208 B1 issued May 21, 2002 to Tommy F. Brookey.
- U.S. Patent Number 6,401,818 B1 issued June 11, 2002 to Panos Papaanastasiou.

U.S. PATENT APPLICATION PUBLICATIONS

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Al published July 18, 2002.

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PCT Publication Number WO 01/98626 Al published December 27, 2001.

PCT Publication Number WO 01/98627 Al published December 27, 2001.

PCT Publication Number WO 96/32567 published October 17, 1996.

OTHER MATERIAL

SPE 10911 entitled "Fracture Design Considerations Based On Pressure Analysis" by Kenneth G. Nolte, dated 1982.

SPE 28555 entitled "Oriented Perforations - A Rock Mechanics View" by Hazim A. Abass et al., dated 1994.

ETCE98-4656 entitled "Borehole Failure Resulting From Formation Integrity (Leak-Off) Testing In upper Marine Sediments Offshore" by Andrew K. Wojtanowicz et al., dated 1998.

ETCE99-6645 entitled "Solutions Proposed For Deepwater Drilling Challenges Using New Technology For Hole-Stabilization-While-Drilling" by Ronald Sweatman et al., dated 1999.

SPE 59131 entitled "Improved Zonal Isolation Through The Use Of Sealants Before Primary Cementing Operations" by Loyd E. East, Jr. et al., dated 2000.

Paper entitled "How To Choose Between Mud and Cement Inflation Of Inflatable Packers" by George O. Suman, Jr. et al., dated 1995.

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SPE 59132 entitled "New Cement Systems For Durable Zonal Isolation" by Le Roy-Delage S. et al., dated 2000.

SPE 20409 entitled "Theory of Lost Circulation Pressure" by N. Morita et al., dated 1990.

SPE/IADC 67735 entitled "Lost Circulation Control: Evolving Techniques and Strategies to Reduce Downhole Mud Losses" by James R. Bruton, dated 2001.

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Paper entitled "Drill ahead to complete HP/HT wells" by Scott Kelley et al., Hart's E & P, September 2001, pp. 87-89, Chemical Week Associates, New York, NY.

Paper entitled "Fracture Evaluation Using Pressure Diagnostics" by Sunil N. Gulrajani et al., Reservoir Stimulation, June 2000, pp. 9-1 to 9-63, John Wiley & Sons, Inc., Hoboken, NJ.

Brochure entitled "Novel lost circulation treatment",
InstanSeal Brochure, dated 2000.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

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Duncan, OK 73536-0440

580-251-3012

ATTORNEY FOR APPLICANTS

Sheet 1 of 6

PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO. 2000-IP-001848U1

SERIAL NO. 10/082,459

APPLICANT

Ronald E. Sweatman et al.

FILING DATE February 25, 2002 GROUP 1712

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U.S. PATENT DOCUMENTS

EXAMINER							Filing Date if
INITIAL		Document No.	Date	Name	Class	Subclass	Appropriate
	AA	3,960,082	06/01/76	Sloevsky et al.	102	22	
	AB	4,434,848	03/06/84	Smith	166	250	
	AC	4,714,115	12/22/87	Uhri	166	308	
	AD	4,718,490	01/12/88	Uhri	166	281	
	AE	5,253,709	10/19/93	Kendrick et al.	166	284	
	AF	5,275,041	01/04/94	Poulsen	73	155	
	AG	5,335,726	08/09/94	Rodrigues	166	295	
	AH	5,358,051	10/25/94	Rodrigues	166	295	
	ΑI	5,472,049	12/05/95	Chaffee et al.	166	250.1	
	ΑJ	5,482,116	01/09/96	El-Rabaa et al.	166	250.1	
	AK	5,497,831	03/12/96	Hainey et al.	166	308	

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							Trans.	lation
		Document No.	Date	Country	Class	Subclass	Yes	No
ţ	AL	WO 01/41617 A1	06/14/01	PCT	A47L	5/34	Х	
•	AM	WO 01/98626 A1	12/27/01	PCT	E21B	33/13	Х	
^	AN	WO 01/98627 A1	12/27/01	PCT	E21B	33/13/	Х	*
``	AO	WO 96/32567	10/17/96	PCT	E21B	43/26	Х	
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	AR	SPE 10911 entitled "Fracture Design Considerations Based On Pressure
		Analysis" by Kenneth G. Nolte, dated 1982.
,	AS	SPE 28555 entitled "Oriented Perforations - A Rock Mechanics View" by
•,	Ī	Hazim H. Abass et al., dated 1994.
*	AT	ETCE98-4656 entitled "Borehole Failure Resulting From Formation
		Integrity (Leak-Off) Testing In Upper Marine Sediments Offshore" by
		Andrew K. Wojtanowicz et al., dated 1998.

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INITIAL		Document No.	Date	Name	Class	Subclass	Appropriate	
	AA	5,836,392	11/17/98	Urlwin-Smith	166	295		
	AB	5,868,030	02/09/99	Brumley et al.	73	784		
	AC	5,873,413	02/23/99	Chatterji et al.	166	293		
	AD	5,881,826	03/16/99	Brookey	175	72		
	ΑE	5,890,536	04/06/99	Nierode et al.	166	284		
1-2	AF	5,934,377	08/10/99	Savage	281	392		
	AG	5,945,387	08/31/99	Chatterji et al.	507	224		
	AH	6,123,159	09/26/00	Brookey et al.	175	72		

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_	AR	ETCE99-6645 entitled "Solutions Proposed For Deepwater Drilling
		Challenges Using New Technology For Hole-Stabilization-While-Drilling" by Ronald Sweatman et al., dated 1999.
1	AS	SPE 59131 entitled "Improved Zonal Isolation Through The Use Of
		Sealants Before Primary Cementing Operations" by Loyd E. East, Jr. et al., dated 2000.
•	AT	Paper entitled "How To Choose Between Mud and Cement Inflation Of
		Inflatable Packers" by George O. Suman, Jr. et al, dated 1995.
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	AA	6,186,230 B1	02/13/01	Nierode	166	250.1	
	AB	6,192,986 B1	02/27/01	Urlwin-Smith	166	295	
	AC	6,196,317 B1	03/06/01	Hardy	166	295	
	AD	6,237,688 B1	05/29/01	Burleson et al.	166	281	
	AE	6,367,549 B1	04/09/02	Chatterji et al.	166	295	
	AF	6,390,208 B1	05/21/02	Brookey	175	72	
-	AG	6,401,818 B1	06/11/02	Papanastasiou	166	297	
	AH	US2002/	07/18/02	Coronado et al.	166	369	
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,	AR	IADC/SPE 59132 entitled "New Cement Systems For Durable Zonal					
		Isolation" by Le Roy-Delage S. et al., dated 2000.					
	AS	SPE 20409 entitled "Theroy of Lost Circulation Pressure" by					
		N. Morita et al., dated 1990.					
	AT	SPE-IADC 67735 entitled "Lost Circulation Control: Evolving Techniques					
1		And Strategies to Reduce Downhole Mud Losses" by James R. Bruton et al., dated 2001.					

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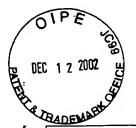
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